

WHAT IS CLAIMED IS:

- 1 1. A method comprising:
2 detecting data for a client, the data being detected on a server in a cellular
3 network having one or more servers;
4 determining the client's paging address;
5 utilizing a paging functionality to notify the client that the client has data;
6 and
7 in response to the client connecting to the cellular network and requesting
8 the data, sending the data to the client.
- 1 2. The method of claim 1, wherein the sending the data to the client
2 comprises sending the data to the client using TCP/IP (Transmission
3 Control Protocol/Internet Protocol).
- 1 3. The method of claim 1, wherein the cellular based network comprises
2 GPRS (General Packet Radio System).
- 1 4. The method of claim 3, wherein the paging functionality comprises a
2 cellular based paging functionality.
- 1 5. The method of claim 4, wherein the paging functionality comprises SMS
2 (Short Message System).
- 1 6. A method comprising:
2 receiving a page from a paging functionality , the page being indicative of
3 data arriving onone of a number of servers in a cellular network;
4 and
5 in response to receiving the page, connecting to the cellular network to
6 receive the data.

1 7. The method of claim 6, wherein the cellular-telephony-based network
2 comprises GPRS (General Packet Radio System).

1 8. The method of claim 7, wherein the paging functionality comprises SMS
2 (Short Message System).

1 9. The method of claim 6, wherein the page comprises a server identification
2 corresponding to the server.

1 10. The method of claim 6, wherein the connection is made automatically.

1 11. The method of claim 6, wherein the connection is made manually by a
2 user on the client.

1 12. The method of claim 6, wherein the client comprises a mobile device.

1 13. An apparatus comprising:

2 a detector module to detect data arriving for a given client on a server in a
3 cellular network having one or more servers;

4 a lookup module to determine the given client's paging address in
5 response to the detector module detecting data arriving on one of
6 the servers, the determining in response to the detector module
7 detecting data; and

8 a callout module to utilize a paging functionality to notify the client that the
9 client has data, the notifying in response to the lookup module
0 determining the client's paging address.

1 14. The apparatus of claim 13, wherein the cellular network comprises GPRS
2 (General Packet Radio System).

3 15. The apparatus of claim 14, wherein the paging functionality comprises a
4 cellular based paging functionality.

1 17. An apparatus comprising:

means for detecting data arriving for a given client on a server in a cellular network having one or more servers;

means for determining the given client's paging address in response to the detector module detecting data arriving on one of the servers, the determining in response to the detector module detecting data; and

means for utilizing a paging functionality to notify the client that the client has data, the notifying in response to the lookup module determining the client's paging address.

1 18. The apparatus of claim 17, wherein the client comprises a mobile device.

1 19. The apparatus of claim 17, wherein the cellular network comprises GPRS
2 (General Packet Radio System).

1 21. A system comprising:

2 at least one server, the server to:

3 receive data for one or more clients in a cellular network;

4 send the data to a given one of the clients in response to the given
5 client connecting to the network and requesting the data;
6 and

an interceptor in communication with the at least one server, the
interceptor to:

detect that one of the at least one servers has received data for a

- 1 22. The system of claim 21, wherein the cellular network comprises GPRS
2 (General Packet Radio System).
 - 1 23. The method of claim 22, wherein the paging functionality comprises a
2 cellular based paging functionality.
 - 1 24. A machine-readable medium having stored thereon data representing
2 sequences of instructions, the sequences of instructions which, when
3 executed by a processor, cause the processor to perform the following:
4 detect data for a client, the data being detected on a server in a cellular
5 network having one or more servers;
6 determine the client's paging address;
7 utilize a paging functionality to notify the client that the client has data; and
8 in response to the client connecting to the cellular network and requesting
9 the data, send the data to the client.
 - 1 25. The method of claim 24, wherein the sending the data to the client
2 comprises sending the data to the client using TCP/IP (Transmission
3 Control Protocol/Internet Protocol).
 - 1 26. The method of claim 24, wherein the cellular based network comprises
2 GPRS (General Packet Radio System).
 - 1 27. The method of claim 26, wherein the paging functionality comprises SMS

2 (Short Message System).

1 28. An apparatus comprising:

2 at least one processor; and

3 a machine-readable medium having instructions encoded thereon, which

4 when executed by the processor, are capable of directing the
5 processor to:

1 detect data for a client, the data being detected on a server in a
2 cellular network having one or more servers;

3 determine the client's paging address;

4 utilize a paging functionality to notify the client that the client has
5 data; and

6 in response to the client connecting to the cellular network and
7 requesting the data, send the data to the client.

1 29. The method of claim 28, wherein the sending the data to the client
2 comprises sending the data to the client using TCP/IP (Transmission
3 Control Protocol/Internet Protocol).

1 30. The method of claim 28, wherein the cellular based network comprises
2 GPRS (General Packet Radio System).